ENVIRONMENTAL CHEMISTS

Date of Report: 06/20/05 Date Received: 06/16/05

Project: Metro Self Monitor, PO# M96371, F&BI 506172

Date Extracted: 06/16/05 Date Analyzed: 06/16/05

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS BY EPA METHOD 6010

Results Reported as mg/L (ppm)

Sample ID		Chromium	Copper	<u>Nickel</u>	Zinc
Laboratory ID					
Mocora	ja iklosik	0.00	0 55	0.00	0.04
		0.36	0.55	0.83	0.24
30172-01		Artika (di			
Method Blan	k	< 0.05	< 0.05	< 0.10	< 0.05
	Aboratory ID M96371 006172-01	aboratory ID M96371	Aboratory ID M96371 0.36 006172-01	Aboratory ID M96371 0.36 0.55 006172-01	Aboratory ID M96371 0.36 0.55 0.83 (06172-01)

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QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS BY EPA METHOD 6010

Laboratory Code: 506131-02 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	RPD (Limit 20)
Chromium	mg/L (ppm)	< 0.05	< 0.05	nm	0-20
Copper	mg/L (ppm)	0.37	0.39	5	0-20
Nickel	mg/L (ppm)	0.16	0.13	а	0-20
Zinc	mg/L (ppm)	< 0.05	< 0.05	nm	0-20

Laboratory Code: 506131-02 (Matrix Spike)

				Percent		
	Reporting	Spike	Sample	Recovery	Control	
Analyte	Units	Level	Result	MS	Limits	_
Chromium	mg/L (ppm)	5	< 0.05	84	50-150	1.5
Copper	mg/L (ppm)	5	0.37	88	50-150	Ü,
Nickel	mg/L (ppm)	10	0.16	87	50-150	
Zinc	mg/L (ppm)	5	< 0.05	90	50-150	

Laboratory Code: Laboratory Control Sample

	. Etalidhe earth		Percent	Miles and the se	
	Reporting	Spike	Recovery	Acceptance	
Analyte	Units	Level	LCS	Criteria	4 8
Chromium	mg/L (ppm)	5	89	70-130	P
Copper	mg/L (ppm)	5	91	70-130	
Nickel	mg/L (ppm)	10	92	70-130	
Zinc	mg/L (ppm)	5	92	70-130	en Se

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

1	506172		3.	SAN	IPLE CHAI	N OF C	USTO	DY		(CM 06	o-16	,-08		AI5
	Send Report To GERCUS Company ALASKAW (Address 628 S.	PROJECT NAME/NO. PROJECT NAME/NO. PO# METRO SELS monitor M96371							Page #of						
	City, State, ZIP	REMARKS						SAMPLE DISPOSAL Dispose after 30 days Return samples Will call with instructions							
										ANALY	SES REQ	UES'	red		
	Sample ID	Lab ID	Date	Time	Sample Type	# of containers	H-Diesel	X by 8021B	3s by 8260	Cs by 8270	200			N	lotes

Sample ID	Lab ID	Date	Time	Sample	Туре	# of containers	TPH-Die	TPH-Gaso	BTEX by 80	VOCs by 8	SVOCs by	HFS	Caluna]	Notes
m 96371	01	6/16/05	12:30	HZC)	1							X						
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Friedman & Bruya, Inc.		SIGNATU	TRE	<u> </u>		PRINT	' NA	ME			1	<u> </u>	CC	OMP	ANY	L	\perp_{\vdash}	DATE	TIME
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Seattle, WA 98119-2029	Received by: mm and aw				Nhan Phan						FABI						116/05		
Ph. (206) 285-8282	Relinquished b	y: /	******								_						\downarrow		
Fax (206) 283-5044	received by:																		

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ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Morrow, M.S. Yelena Aravkina, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

June 20, 2005

DUPLICATE COPY

INVOICE #05ACU0620-1

Accounts Payable Alaskan Copper Works 628 South Hanford Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M96371, F&BI 506172 - Results of testing requested by Gerry Thompson for material submitted on June 16, 2005.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc	
by Method 6010B @ \$80 per sample	\$ 80.00
항문 마음을 안 하면 하는 것이 말을 보면 중요 보고를 보면 있다고 있다고 말을 하는 것이	
Amount Due	\$ 80.00

FEDERAL TAX ID #(b) (6)

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Morrow, M.S. Yelena Aravkina, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

June 20, 2005

Gerry Thompson, Project Manager Alaskan Copper Works 628 South Hanford Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on June 16, 2005 from the Metro Self Monitor, PO# M96371, F&BI 506172 project. There are 2 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Charlens Morrow

Charlene Morrow

Chemist

Enclosures ACU0620R.DOC